

Message Text

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ORIGIN ERDA-07

INFO OCT-01 NEA-10 ISO-00 OES-07 L-03 SSO-00 INRE-00
NSCE-00 USIE-00 CIAE-00 DODE-00 PM-04 H-02 INR-07
NSAE-00 NSC-05 PA-02 PRS-01 SP-02 SS-15 FEA-01
ACDA-10 IO-14 EB-07 NRC-07 TRSE-00 /105 R

DRAFTED BY ERDA:WNEUSTADT; FFALCI
APPROVED BY NEA/INS:DKUX
ERDA:JGLASCOE
ES:DCOOPER
L:CSIEGAL
ERDA:HCURTIS

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FM SECSTATE WASHDC
TO AMCONSUL BOMBAY IMMEDIATE
INFO AMEMBASSY NEW DELHI IMMEDIATE

UNCLAS STATE 159021

E.O. 11652: N/A

TAGS: TECH, IN

SUBJECT: TARAPUR FUEL STORAGE

REF: BOMBAY 1564

1. STATE/ERDA OFFICIALS MET JULY 7 WITH REGARD TO REFTEL
AND HAVE THE FOLLOWING COMMENTS:

--THE BASIC PROBLEM STANDING IN THE WAY OF CONCLUDING THE
AGREEMENT IS AN APPARENT MISUNDERSTANDING ON DAB'S PART AS
TO WHAT ERDA IS LEGALLY ABLE TO DO. ARTICLE I OF THE
PROPOSED AGREEMENT HAS APPARENTLY BEEN INTERPRETED BY THE
GOVERNMENT OF INDIA TO INCLUDE A DESIGN EFFORT. THE U.S.
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IS HOWEVER ONLY ABLE TO CONDUCT A FEASIBILITY STUDY IN
ACCORD WITH THE STATEMENT OF WORK BETWEEN ERDA AND
GENERAL ELECTRIC (TRANSMITTED PARA 6-7 BELOW). ERDA HAS
NOT AGREED AT ANY TIME NOR CAN IT AGREE WITHOUT NEW
LEGISLATION TO CONDUCT A COMPLETE DESIGN STUDY, AS
DISTINCT FROM RESEARCH AND DEVELOPMENT.

--THE ERDA PLAN WILL PROVIDE, AT THE COMPLETION OF PHASE
II, A "PRELIMINARY DESIGN" WHICH SHOULD CONTAIN SUFFICIENT

INFORMATION TO ALLOW THE DAE TO MAKE A MEANINGFUL DECISION AS TO AN APPROPRIATE "FIX" FOR TARAPUR. ("PRELIMINARY DESIGN" IS A TERM OF ART; A PRELIMINARY DESIGN WOULD NOT BE SUFFICIENTLY DETAILED TO USE AS A BASIS FOR GOING FORWARD WITH CONSTRUCTION.) THIS APPROACH, HOWEVER, IS ONLY POSSIBLE IF THE 8E CLAUSE (WHICH IS ALSO AN A PRIORI CONDITION OF THE ERDA-GE CONTRACT) PREVIOUSLY PROPOSED BY THE US IS PRESERVED AS ORIGINALLY OFFERED. GE WILL NOT RELEASE PROPRIETARY DATA WITHOUT APPROPRIATE COMPENSATION. THE ACQUISITION OF PROPRIETARY DATA WOULD NOT BE POSSIBLE WITHIN THE FINANCIAL CONSTRAINTS OF THIS FEASIBILITY STUDY. IF GE PROPRIETARY DATA IS SUBSEQUENTLY DETERMINED TO BE PART OF A "FIX" DESIGN, THEN THE INDIANS WOULD BUY THE DATA WITH THE DESIGN PURCHASE. THE US IS PREPARED TO FUND PHASE I AND PERHAPS PHASE II (ASSUMING THAT PHASE II IS DEFINED AS IN THE FOLLOWING STATEMENT OF WORK WITH GE) WITH THE UNDERSTANDING THAT THIS IS AT MOST A PRELIMINARY DESIGN. THEREFORE, IT APPEARS ESSENTIAL THAT DAE AND THE US AGREE AT THIS TIME AS TO PRECISELY WHAT THE US WILL PROVIDE.

2. BASICALLY TWO ALTERNATIVES ARE AVAILABLE TO THE INDIANS. EITHER THEY ACCEPT OUR DEFINITION OF THE UNCLASSIFIED

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STATEMENT OF WORK AND ACCEPT THE INCLUSION OF CLAUSE 8-E AS PROPOSED BY THE US WITH THE UNDERSTANDING THAT THE FINAL REPORT RESULTING THEREFROM WILL PROVIDE A SOUND BASIS FOR DECISION OR THE US WILL DROP CLAUSE 8-E ENTIRELY BUT IN THAT EVENT WILL ALSO PERMIT GE TO EXCLUDE PROPRIETARY DATA FROM ALL REPORTS SUBMITTED. IN EITHER CASE, HOWEVER, THE GOVERNMENT OF INDIA MUST UNDERSTAND THAT ARTICLE I IS NOT BROADLY INTERPRETED BY THE US BUT RATHER MUST BE SPECIFICALLY INTERPRETED IN ACCORDANCE WITH THE GE/ERDA STATEMENT OF WORK. IN THIS CONTEXT IT MAY BE USEFUL TO REMIND THE DAE THAT ARTICLE I WAS INITIALLY INTENDED TO PROVIDE A GENERAL FRAMEWORK, NOT A SPECIFIC DELINEATION OF TASKS. SINCE THE INDIANS APPEAR TO WANT A MORE SPECIFIC STATEMENT OF THE TASKS, ALL THE US CAN PROVIDE IS ITS STATEMENT OF WORK FOR THE CONTRACTOR WHO IS GOING TO PERFORM THE ACTUAL INVESTIGATION.

3. IT IS ERDA'S OPINION THAT ONLY GE CAN DO A MEANINGFUL JOB IN A TIMELY MANNER IN SO FAR AS THE FEASIBILITY ANALYSIS IS CONCERNED AND THEREFORE IF WE ARE UNABLE TO ACQUIRE THEIR SERVICES SUCH AS TO INCLUDE THE USE OF PROPRIETARY DATA (WHICH ENTAILS ACCEPTANCE OF THE CONDITIONS OF 8-E) THE END PRODUCT WILL BE OF LIMITED USE.

4. THE TWO KEY GE ENGINEERS WHO HAVE PERSONAL EXPERIENCE WITH TARAPUR AND WHOSE COUNSEL IS DEEMED ESSENTIAL TO THIS EVALUATION HAVE A LIMITED AVAILABILITY. THEY HAVE BEEN

PREVIOUSLY COMMITTED BY GE TO OTHER PROGRAMS AND TO MEET THESE OTHER COMMITMENTS WILL ONLY BE AVAILABLE TO DEPART FOR TARAPUR WITHIN THE NEXT TWO WEEKS; IF THEY CANNOT DO SO THEIR SERVICE WILL BE LOST. ERDA EMPHASIZES THE IMPORTANCE OF HAVING THIS PARTICULAR GE TEAM PERFORM THE TASK. DAE SHOULD BE MADE TO UNDERSTAND THE SITUATION AND THE NEED FOR PROMPT RESOLUTION OF THIS PROPOSED AGREEMENT.

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5. IN THE EVENT THAT THE USG VERSION OF CLAUSE 8-E IS DROPPED, THE PHASE I/II WORK STATEMENT WILL CONTAIN A PROVISION WHICH PERMITS GE TO EXCLUDE PROPRIETARY DATA FROM ALL REPORTS SUBMITTED PURSUANT TO THE ERDA/GE CONTRACT.

6. STATEMENT OF WORK TEXT.

PHASE I: TO DETERMINE THE PRELIMINARY FEASIBILITY OF INCREASING THE SPENT FUEL STORAGE CAPACITY AT THE TARAPUR STATION BY ACCOMPLISHING THE FOLLOWING TASKS.

1. REVIEW OF THE SPENT FUEL POOL SYSTEM DESIGN AND ARCHITECT-ENGINEER'S AS-BUILT DRAWINGS PERTAINING TO THE TARAPUR STATION;

2. INITIAL VISIT BY TWO OF THE CONTRACTOR'S ENGINEERS TO THE TARAPUR STATION (GOVERNMENT WILL ASSIST CONTRACTOR IN SECURING TRAVEL AND LIVING ARRANGEMENTS AT THE TARAPUR SITE);

3. REVIEW OF RELATED TECHNICAL INFORMATION TO BE PROVIDED BY ERDA OR BY THE TARAPUR STATION PERSONNEL OR THE INDIAN ATOMIC ENERGY COMMISSION OR BY ANY OTHER AGENCY OF THE GOVERNMENT OF INDIA; SUCH INFORMATION WILL INCLUDE, BUT NOT BE LIMITED TO, REMAINING SPENT FUEL STORAGE CAPACITY, A PROJECTION OF FUEL STORAGE NEEDS, ANY STRUCTURAL SEISMIC, AND CRITICALITY ANALYSES PERFORMED SINCE PLANT START-UP, ANY PLANT OPERATIONAL CONSTRAINTS INCLUDING REQUIREMENTS FOR STORAGE OF OTHER IRRADIATED MATERIAL:

4. REVIEW OF THE ADEQUACY OF THE TARAPUR STATION'S EXISTING FUEL POOL COOLING SYSTEM TO ACCOMMODATE A
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GREATER AMOUNT OF SPENT FUEL AND REVIEW OF DISPOSAL REQUIREMENTS OF THE EXISTING SPENT FUEL POOL HARDWARE;

5. ASSESSMENT OF THE FEASIBILITY OF EXPANDING THE SPENT

FUEL STORAGE CAPACITY.;

6. IF, UNDER TASK 5, IT IS DETERMINED THAT EXPANSION OF THE SPENT FUEL STORAGE CAPACITY IS FEASIBLE, DEFINE THE SCOPE OF ADDITIONAL WORK UNDER "PHASE II" INCLUDING APPROACHES, SCHEDULES, AND COST ESTIMATES;

7. PREPARATION OF A REPORT OF THE FINDINGS AND RESULTS OF TASKS 1 THROUGH 7.

PHASE II: TO PROVIDE BOTH NEAR TERM AND LONGER RANGE BASES FOR MEETING SPENT FUEL STORAGE NEEDS AT THE TARAPUR STATION. TASKS TO ACCOMPLISH THIS OBJECTIVE MAY INCLUDE SUCH WORK AS:

1. EXTENSION OF WORK PERFORMED UNDER PHASE I IN QUALIFYING AND FURTHER DEFINING THE ALTERNATIVES FOR INCREASING THE CAPACITY OF THE TARAPUR STATION'S EXISTING SPENT FUEL POOL;

2. DEVELOPMENT OF ENGINEERING MATERIAL, DRAWINGS, SPECIFICATIONS, AND CRITERIA DESCRIBING THE PROPOSED ALTERNATIVES AND RECOMMENDATIONS COVERING THIS APPLICATION;

3. DEFINITION OF THE REQUIRED PROCEDURES, MATERIALS, TOOLS, SPECIAL EQUIPMENT AND SERVICES IN THE APPLICATION OF THE PROPOSED NEW STORAGE SYSTEMS;

4. ESTIMATION OF THE COST, SCHEDULE, AND CAPACITY INCREASE IN MODIFYING THE EXISTING FUEL POOL IN ACCORDANCE WITH THE RECOMMENDATIONS FOR THE STORAGE SYSTEM ALTERNATIVES;

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5. PREPARATION OF BIMONTHLY INTERIM REPORTS AND FINAL REPORT INCORPORATING THE INFORMATION AND RECOMMENDATIONS OF PHASE II. VANCE

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Message Attributes

Automatic Decaptioning: X
Capture Date: 22-Sep-1999 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: STORAGE, NUCLEAR FUELS, NEGOTIATIONS
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Decaption Note:
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Disposition Approved on Date:
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Disposition History: n/a
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Enclosure: n/a
Executive Order: N/A
Errors: n/a
Expiration:
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From: STATE
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Office: ORIGIN ERDA
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 4
Previous Channel Indicators:
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: BOMBAY 1564
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
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Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 1725370
Secure: OPEN
Status: NATIVE
Subject: TARAPUR FUEL STORAGE
TAGS: TECH, IN, US
To: BOMBAY INFO NEW DELHI
Type: TE
vdkgvwkey: odbc://SAS/SAS.dbo.SAS_Docs/d3038762-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009